

L 40961-65 EWT(m)/T/EWP(t)/EWP(z)/EWP(b)/EWA(c) Pad JP(c) JD/HW
S/0126/65/019/002/0251/0256
ACCESSION NR: AP5006330
AUTHOR: Larikov, L. N.; Zasimchuk, Ye. E.; Semenenko, M. I.
TITLE: Study of the recrystallization kinetics of weakly deformed nickel
SOURCE: Fizika metallov i metallovedeniye, v. 19, no. 2, 1965, 251-256
TOPIC TAGS: statistical microstructural method, recrystallization, recrystallization annealing, nickel, carbonyl nickel
ABSTRACT: The statistical microstructural method was used to study the rates of formation and growth of recrystallization centers as functions of the annealing time and temperature as well as kinetics of the change in the recrystallized area at annealing temperatures of 690, 730, and 780° C (±2° in each case) for carbonyl nickel (99.99%), 4.9 and 5.8% elongation-deformed. The relationships between the maximum size of the centers and the time for 5.8% deformation indicate that the recrystallization centers increase at a constant rate. In the temperature range studied the relationship between the rate of growth of the recrystallization centers (G) and the temperature is described by the simple exponential law

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The calculated temperature coefficient, Q_G , is approximately 46 kcal/g-atom. The experimental values for the rate of recrystallization center formation for the studied temperatures and degrees of deformation decrease in time under isothermal conditions. The results were correlated with the theories of recrystallization kinetics presented by Avrami and Cahn (Avrami, M. J., J. Chem. Phys., 1939, 7, 1103; 1940, 8, 212; 1941, 9, 177 and Cahn, R. W., Proc. Phys. Soc., 1950, A63, 323). Completely satisfactory results were obtained in correlation with Avrami's theory, but not with that proposed by Cahn. Orig. art. has: 6 figures, 1 table, and 10 formulas.

ASSOCIATION: Institut metallofiziki AN UkrSSR (Institute of Physics of Metals, AN UkrSSR)

SUBMITTED: 21Jan64

ENCL: 00

SUB CODE: NI

NO REF SOV: 007

OTHER: 010

llc
Card 2/2

L-10731-65 EPI(m)/EPI(n)-2/EPI(d) Pm-U ASD(m)-3/ASD(r)-2 JD/K/MLK
 ACCESSION NR: AT4046829 S/0000/64/000/000/0121/0124

AUTHOR: Larikov, L. N.; Zasluchuk, Ye. E.; Semenenko, M. N.

TITLE: Parameters of recrystallization of niobium and tungsten

SOURCE: AN SSSR. Nauchnyy sovet po probleme zharoprochnykh splavov. Issledovaniya staley i splavov (Studies on steels and alloys). Moscow, Izd-vo Nauka, 1964, 121-124

TOPIC TAGS: niobium, tungsten, niobium recrystallization, tungsten recrystallization, microhardness, annealing

ABSTRACT: The stability of the hardened condition of metals at high temperatures may be expressed to some degree by the recrystallization rate parameters. However, there is little information in the literature on the growth rate of recrystallization centers in various metals. The present authors investigated pure niobium (99.997%) and pure tungsten containing 0.02% C, 0.006% Si, 0.01% P, 0.015% Fe, 0.008% S, 0.0022% Cd, 0.0004% Pb, 0.00008% Bi, and 0.013% Sn. Niobium was subjected to 94% uniaxial compression at room temperature, and recrystallization annealing was carried out at 960-1080C. Tungsten was rolled (90% compression) at 1200C in air, annealed at 1300-2000C in a vacuum on a modified TVV-2M machine.

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ACCESSION NR: AT4046829

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The recrystallization rate was determined from the appearance of "punctures" on the X-rays, taken after etching with $\text{HNO}_3 + \text{HF}$. A linear inverse relationship was obtained in both cases between the logarithm of the growth in recrystallization centers and the reciprocal of the absolute temperature: $G = G_0 \exp(-Q_G/RT)$ where G_0 is 10^{16} and 10^{15} cm/sec. for Nb and W, respectively, and Q_G is 130-180 kcal./g-atom. The microhardness of tungsten was also measured for different annealing temperatures, and found to decrease sharply at 1200C. Comparison showed that niobium is weakened prior to recrystallization, while tungsten is weakened during recrystallization. Niobium is thus deformed at relatively lower temperatures in relation to the melting point. Orig. art. has: 4 figures and 6 formulas.

ASSOCIATION: none

SUBMITTED: 16 Jun 64

ENCL: 00

SUB CODE: MM

NO REF SO//: 012

OTHER: 006

Card 2/2

L 32609-66 EWT(m)/I/EWP(t)/ETI IJP(c) JD/HW/JG/3D
ACC NR: AT6010587 SOURCE CODE: UR/0000/65/000/000/0118/0126

AUTHOR: Larikov, L. N.; Zashimchuk, Ye. E.; Semenenko, M. N.

ORG: Institute of Metal Physics, AN UkrSSR (Institut metallofiziki AN UkrSSR)

TITLE: Recrystallization kinetics in highly deformed nickel and niobium single crystals

SOURCE: AN UkrSSR. Fazovyye prevrashcheniya v metallakh i splavakh (Phase transformations in metals and alloys). Kiev, Naukova dumka, 1965, 118-126

TOPIC TAGS: niobium, nickel, metal recrystallization, ^{crystal} ~~metal~~ deformation, single crystal

ABSTRACT: Recrystallization kinetics were studied in a nickel single crystal 80% deformed by rolling in the <100> plane and in a niobium single crystal 90% deformed by rolling in a plane close to <102>. In the case of nickel, recrystallization anneals were carried out at 288, 313, and 334C during 20 min to 6 hr. The rate of formation of recrystallization centers N was determined by differentiating the dependence $N + f(\tau)$, where N is the number of recrystallization grains per unit area of the polished specimen. The dependence of the maximum size of recrystallized grains on the annealing time and the temperature dependence of the growth rate G of the grains were determined. The recrystallization anneals of the niobium crystal were carried out at 965, 1005, and 1040C. In niobium, the recrystallization centers etch to the same extent as the single-crystal matrix. The parameters governing the generation of recrystallization centers were measured. The growth of these centers is

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L 32609-66

ACC NR: AT6010587

characterized by the presence of a short incubation period, as in the nickel single crystal.
Orig. art. has: 12 figures and 1 table.

SUB CODE: 20, 11 / SUBM DATE: 29Sep64 / ORIG REF: 005 / OTH REF: 002

Card

2/2

SEMENENKO, M. P.

USSR/ Scientists

Card 1/1 Pub. 138 - 5/13

Authors : Semenenko, M. P., Memb. Corresp. of the Acad. of Sc. Ukr. SSR

Title : ~~XXXXXXXXXXXXXXXXXXXX~~
The leading role of Russian science in the creative friendship between Russian and Ukrainian scientists

Periodical : Visnik AN URSR 4, 30-42, Apr 1954

Abstract : The role of Russian science in building up the great friendship between Russian and Ukrainian scientists and in the development of the Ukraine is emphasized. The achievements of the combined Russian-Ukraine science since the annexation of the Ukraine (1654), are mentioned.

Institution:

Submitted:

15-57-10-13500
Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 10,
p. 4 (USSR)

AUTHOR: Semenenko, M.P.

TITLE: Summary of the Twentieth International Geological Congress
in Mexico (Mexico, September 4 - September 11, 1956) (K itogam
xx sessii Mezhdunarodnogo geologicheskogo kongressa v Meksike)
(in Ukrainian)

PERIODICAL: Visnik AN UkrSSR, 1957, Nr 3, pp 48-49

ABSTRACT: Bibliographic entry

Card 1/1

SEMENENKO, M. P.

137-1958-1-5

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 1, p 5 (USSR)

AUTHOR: Semenenko, M. P.

TITLE: Major Results of the Scientific Activities of the Academy of Sciences of the Ukrainian Soviet Socialist Republic in 1956, and Its Undertakings for 1957 (Osnovnyye itogi nauchnoy deyatel'nosti Akademii nauk UkSSR za 1956 g. i zadachi na 1957 g) (Ukrainian)

PERIODICAL: Visnik AN UkrSR, 1957, Nr 5, pp 5-26

ABSTRACT: Bibliographic entry

1. Scientific organizations--USSR--Bibliography

Card 1/1

SEMENENKO, M.P. [Semenenko, N.P.]; ZHUKOV, G.V. [Zhukov, H.v.]

The Petrovo graphite-bearing series. Geol. zhur. 17 no.3:48-57
'57. (MIRA 11:2)
(Kirovograd Province--Graphite ores)

SEMENENKO, M.P., akademik

Achievements of science in the Ukraine during the years of the Soviet rule. Visnyk AN URSR 29 no.1:12-26 Ja '58. (MIRA 11:4)

1. Vitse-prezident AN URSR.
(Ukraine--Science)

IVANTISHIN, Mikhail Nikolayevich [Ivantyshyn, M.M.]; SEMENENKO, M.P., akademik, otv.red.; MEL'NIK, G.F. [Mel'nyk, H.F.], red.izd-va; YEFIMOVA, M.I., tekhn.red.

[Accessory rare minerals and trace elements in granites and pegmatites of the Ukrainian Crystalline Shield] Aktseornii ridskisi mineraly ta rozsiiani elementy v granitakh i pegmatitakh Ukrains'koho krystalichnoho shchyta. Kyiv, Vyd-vo Akad.nauk Ukrains'koi RSR, 1960. 242 p. (Akademiia nauk URSR, Kiev. Instytut geologichnykh nauk. Trudy, no.8) (MIRA 14:7)

1. AN USSR (for Semenenko).
(Dnieper Valley--Metals, Rare and minor)

SEMENENKO, M.P.

Let's pave new ways in science. Nauka i zhyttia 11 no.7:8
Jl '61. (MIRA 14:8)

1. Vitse-prezident Akademii nauk Ukrainskoy SSR.
(Science--Congresses)

IVANTISHIN, Mikhail Nikolayevich [Ivantyshyn, M.M.]; SEMENENKO, M.P.,
akademik, otv.red.; SIROSHTAN, R.I., kand.geol.-mineral nauk,
red.vypuska; OVCHAROVA, Z.G. [Ovcharova, Z.H.], red.;
KADASHEVICH, O.O., tekhn.red.

[Geochemical characteristics of rock-forming elements of Pre-
Cambrian intrusive rocks in the Ukrainian Crystalline Shield]
Geokhimichna kharakterystyka porodoutvoriuiuchykh elementiv
dokembriis'kykh intruzyvnykh porid Ukrains'koho krystalichnoho
shchyta. Kyiv, Vyd-vo Akad.nauk Ukrainskoi FSR, 1961. 34 p.
(Akademiia nauk URSR, Kiev. Institut geologichnykh nauk. Trudy,
no.13). (MIRA 14:12)

1. AN USSR (for Semenenko).
(Dnieper Valley--Rocks, Igenous) (Geochemical prospecting)

SEMENENKO, N.

New oil-field equipment should be perfect. Bezop.truda v prom.
7 no.3:13-14 Mr '63. (MIRA 16:3)
(Oil fields--Equipment and supplies)

SENCHENKO, V. A.

"TEI Recirculating Steam Generator," Iz. Ak. Nauk SSSR, Otdel. Tekh.
Nauk, No. 2, 1980

Report U-1520, 25 Oct 1981.

SEMENENKO, N. A.

Szhiganie nizkosortnykh topliv v topkakh promyshlennykh kotlov. (2. izd.) Moskva, Pishchepromizdat, 1943. 45 p. diagrs.

Consumption of low-grade fuel in furnaces of industrial boilers.

DLC: TJ320.S4 1943

SO: Manufacturing and Mechanical Engineering in the Soviet Union, Library of Congress, 1953.

1ST AND 2ND CIPHERS PROCESSES AND PROPERTIES INDEX

CA

The oxygen blast in steel-melting furnaces. N. A. Semenenko. *Kislovodsk* 1944, No. 3, 11-16. Preliminary expts. in a direct-flow open-hearth furnace with up to 40% of O showed an increase of approx. 60% in efficiency of heat utilization. In addn., the possibility of using higher temp. shortens the duration of heats and thus raises the output of the furnace by at least 10-15%.

M. Hoesch

ASH-SLA METALLURGICAL LITERATURE CLASSIFICATION

1ST AND 2ND CIPHERS PROCESSES AND PROPERTIES INDEX

SEMENTNYC, N. A.

Boiler-economizers; utilizing the energy of waste heat of industrial fuel-consuming installations Moskva, Gosenergoizdat' 1945. 63 p. (Vsesoiuznoeobshchestvo po rasprostraneniю politicheskikh i nauchnykh znaniy, ser. 4, no.22) Ispol'zovanie viorichnykh energeticheskikh...1953. (Card 2, 54-19155)

H59. V82 no.22

SEMENENKO, Nikolay Aleksandrovich Prof

"A High-Production Semi-Gas Furnace with a 'Rimming Layer'," Prom. Energ.,
4, No.5, 1947

SEMENENKO, N. A.

At the plenary meeting of the conference of the Power Establishments of the Academies of Science of the Union Republics and of the Affiliates of the Academy of Science, USSR, the following paper was presented by Doctor of Technical Sciences H. A. Semenenko (Power Institute, Academy of Science, USSR) ~~on~~ "Power-engineering combinations on the basis of utilizing high-temperature secondary power resources of industrial production".

SO: Elektrichestvo, No. 9, Moscow, Sept. 1947 (U-5534)

SEMEENKO, N. A.

24/49T29

USSR/Engineering
Furnace Gases
Power Plants

Dec 48

"Technological Power Combinations at High-Temperature
Production Enterprises," N. A. Semenenko, Power Eng
Inst imeni G. M. Krzhizhanovskiy, 8 pp

"Iz Ak Nauk SSSR, Otdel Tekh Nauk" No 12

Considers studies undertaken by Power Engineering
Institute to ascertain the principle of scientific
use of physical heat from high-temperature gaseous
waste products of industrial furnaces as a basis for
technological power arrangement and, thus, maximum
efficiency.

24/49T29

SEMENENKO, N. A. Prof.

"Uniting Power Engineering and Technology to Utilize High-Temperature Secondary Power Resources in Industry," 1949 (book)

Energetics Inst. im. Krzhizhanovskiy, AS USSR

117 AND 118 SPREADS PROCESSES AND PROPERTIES INDEX

4777. DRY QUENCHING OF COKE. *Semenovskiy, N.A.* (Za Ekonomiya Topliva (Fuel Econ.), 1949, (7), 7-10). (L).

ASH-SLA METALLURGICAL LITERATURE CLASSIFICATION

117 AND 118 SPREADS PROCESSES AND PROPERTIES INDEX

1467. SEMI GAS FURNACE WITH FLUIDISED BED. Sengapoko, NA and Sidelskovskii, LN (2a Ekonomiyu Topliva (Fuel Econ.), 1949, (9), 13-18). Describes experiments in the U.S.S.R. on the fluidised bed principle of combustion. The bed is conceived as a gas producer with fine solid fuel fed on to a grate through which air is blown. This produces a mixture of gas and small particles ("semi gas") which is then burned with additional air. Experiments were carried out on a laboratory scale and also on a "semiindustrial" scale. Records are given of temperature, pressures, sizes of particles and percentages of carbon at different stages throughout the process of combustion.

(L)

FA 159T12

USSR/Engineering - Furnaces, Metallurgical Efficiency, Industrial Nov 49

"Combined Electrotechnological Utilization of Flue Gases According to the ENIN Scheme as Applied to the Reverberatory Melting of Nonferrous Metals," N. A. Semenenko, Power Eng Inst Imeni G. A. Krzhizhanskii, Acad Sci USSR, 13 pp

"Iz Ak Nauk SSSR, Otdel Tekh Nauk" No 11

Application of subject principle, described by Semenenko in earlier issue of this periodical [see FDB Per Abs 24/49T297], would provide a basis for reverberatory melting using lower grade and local

159T12

USSR/Engineering - Furnaces, Metallurgical (Contd) Nov 49

forms of fuel while maintaining high productivity. It will lower initial cost of heat-recovery apparatus due to intensification of heat exchange, use of cheaper air preheater surface instead of expensive boiler surface, and maximum proximity of apparatus to hot gases. Submitted by Acad A. V. Vinter.

SEMENENKO, N. A.

159T12

[illegible]

SEMENENKO, N.A., doktor tekhnicheskikh nauk; LITVIN, A.M., redaktor;
~~FRIDMAN~~, A.M., tekhnicheskiiy redaktor

[Secondary power resources in industry] Vtorichnye energeticheskie
resursy promyshlennosti. Moskva, Gos. energ. izd-vo, 1951. 203 p.
(MIRA 8:3)

1. Professor Moskovskogo energeticheskogo instituta imeni V.M.
Molotova (for Semenenko)
(Waste heat) (Power engineering)

SEMENENKO, N. A.

Open-Hearth Process

Remarks on the article "Construction of a direct-flow steel furnace" by M. A. Glinkov.,
Za ekon. top., no. 2, 1952

Monthly List of Russian Accessions, Library of Congress, March 1952. Unclassified.

SEMENENKO, Prof. N. A.

Dec 52

USSR/Metallurgy - Heating Equipment, Heat-Power Utilization

"Utilization of Secondary Power Resources in Industry," Prof N. Semenenko, Dr
Tech Sci, Moscow Power Engineering Inst

Za Ekon Materialov, No 5, pp 46-51

Defines as industrial secondary power resources production losses of physical heat, such as losses with outgoing smoke gases, with hot cooling water or exhaust steam, with dump slage, and with technological products when they have high finish temp. Gives general review of possibilities for utilization of these resources, mainly in metallurgical processes by proper design of heating and melting installations; discusses some individual cases, such as evaporative cooling of metallurgical furnaces, dry quenching of coke, and others.

Source #264T58

SEMENTENKO, N. A.

Waste Heat

Present situation and prospective utilization of secondary power potential in industry.
Za ekon. top. 9 no. 6, 1952.

9. MONTHLY LIST OF RUSSIAN ACCESSIONS, Library of Congress, August 1952. Uncl.

SEMENENKO, N.A., doktor tekhnicheskikh nauk, professor.

[Utilization of secondary industrial power resources during the fifth five-year plan] Ispol'zovanie vtorichnykh energeticheskikh resursov promyshlennosti v piatoi piatiletke. Moskva, Izd-vo "Znanie," 1953. 28 p.

(MLRA 6:8)

(Power engineering)

SEMENENKO, N.A.

631. UTILIZATION OF WASTE HEAT. (AB-WÄRMEVERGERTUNG).
Semenenko, N.A. (Leipzig: Pashbuchverlag, 1954, 159pp., 12, 50 D.M.; rev.
in Bergbautechnik, Jan. 1956, vol. 6, 53, 54).

SEMENENKO, N.

"Secondary Sources of Power in Industry." p. 136, Praha, Vol. 4, no. 3, Mar. 1954

SO: East European Accessions List, Vol. 3, No. 9, September 1954, Lib. of Congress

SEMENENKO, N. A.

"Utilization of Secondary Power Resources in Industry," State Publ. House for Energetics, Moscow-Leningrad, 1955

This book contains the theory and practical application of methods for utilization of the heat of various industrial wastes for creating secondary heat sources, mainly in heavy industry.

D 491071

VLASOV, K.A.; SEMENENKO, N.A.

International colloquium on petrology. Geokhimiia no.1:
119-120 '56. (MLRA 9:9)

(France--Petrology--Congresses)

SEMENENKO, N. A.

The principles and prospects of high-temperature pyrite roasting by using an energetically optimal process are discussed. N. A. Semenenko, L. N. Sidel'nikov, and A. P. Sharyin (Energet. Inst., Moscow). *Chem. Prom.* 1980, 129-35. The efficiency of the pyrite roasting process is greatly limited by the need to maintain high enough temperatures to fuse the clinkers. Roasting offers some advantages, but is not without difficulties because the powder material produces fine dust, the gas, and maintaining the temp. at 700°C requires special precautions. Pyrite burning is carried out with the clinkers tapped in the fused state, and by permitting operations with the waste gas excess (8-15%), and because the liquid phase is efficient in the dust separ. (85-95%). The roasting kinetics includes the FeS₂ dissociation rates at high temp. The dissociation rate can be described by the equation $D_f/D_s = (T_f/T_s)^n$, where D_f and D_s are the initial and final dissociation rates at the above temperatures $n \approx 4$. The lab. size cyclone roaster is described. A design is proposed for a roaster with the utilization of the waste heat in the boiler to bring the gas temp. down from 1000° to 450-500°. As raw material coal beneficiation residue can be used.

W. M.

energetically optimal process are discussed. N. A. Semenenko, L. N. Sidel'nikov, and A. P. Sharyin (Energet. Inst., Moscow). *Chem. Prom.* 1980, 129-35. The efficiency of the pyrite roasting process is greatly limited by the need to maintain high enough temperatures to fuse the clinkers. Roasting offers some advantages, but is not without difficulties because the powder material produces fine dust, the gas, and maintaining the temp. at 700°C requires special precautions. Pyrite burning is carried out with the clinkers tapped in the fused state, and by permitting operations with the waste gas excess (8-15%), and because the liquid phase is efficient in the dust separ. (85-95%). The roasting kinetics includes the FeS₂ dissociation rates at high temp. The dissociation rate can be described by the equation $D_f/D_s = (T_f/T_s)^n$, where D_f and D_s are the initial and final dissociation rates at the above temperatures $n \approx 4$. The lab. size cyclone roaster is described. A design is proposed for a roaster with the utilization of the waste heat in the boiler to bring the gas temp. down from 1000° to 450-500°. As raw material coal beneficiation residue can be used.

Semenenko, N.A.

USSR/Chemical Technology. Chemical Products and Their Application.
Sulfuric Acid, Sulphur and Its Compounds.

J-3

Abs Jour: Referat Zh.-Kh., No 8, 1957, 27412

Author : N.A. Semenenko, L.N. Sidel'kovskiy, A.P. Shurygin.

Inst :

Title : Fundamentals and Future of Application of High Intensity Roasting
of Pyrite at High Temperatures by Energotechnological Method.

Orig Pub: Khim. prom-st', 1956, No 3, 129-135.

Abstract: The kinetics of flotation pyrite (FP) roasting at 1100 to 1460°
under the conditions of complete fusion of cinders was studied.
The dissociation of FeS_2 proceeds at a high speed only until
70 to 90% of FeS_2 are dissociated, after that the speed drops
sharply in accordance with the drop of the equilibrium tension
of S vapors over the system FeS_2 - FeS . The speed of dissociation
is determined not by the diffusion, but by the speed of the
chemical reaction; the dependence of the initial speed on the

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USSR/Chemical Technology. Chemical Products and Their Application.
Sulfuric Acid, Sulphur and Its Compounds.

J-3

Abs Jour: Referat Zh.-Kh., No 8, 1957, 27412

ing chamber, which is possible only in a vertical chamber at a little curled flow. Results of experimental daily roasting of 2 to 2.5 tons of FP containing 0.8 to 2% of moisture and $\geq 10\%$ of SiO_2 (in order to receive low melting cinders) are quoted; the chamber (0.4 m in diameter, 1.38 m high) was of refractory chrome-magnesite with heat insulation of foamy refractory clay. FP and the initial portion of air (15% of the total amount necessary for combustion) heated to 200-220° were fed into the chamber from the top through a turbulent burner at the speed of 5 to 6 m per sec. Secondary air heated to 460-530° was fed tangentially through 2 nozzles at the chamber top at the speed of 9 to 16 m per sec. Gas and liquid cinders were let out through the tap hole in the chamber bottom. The temperature in the chamber was quite stable. The combustion gas contained 12 to 14% of SO_2 , 0.03 to 0.09% of SO_3 and 15 to 25% g per n. cub.m. of dust, the majority of particles of dust being 10 to 15 μ large. Up to 90%

Card : 3/4

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SEMENENKO, N.A., doktor tekhnicheskikh nauk, professor.

~~SEMENENKO, N.A.~~

Combined fuel engineering processes in industrial power engineering.

Prom.energ. 11 no.2:1-4 F '56.

(MIRA 9:6)

(Fuel) (Power engineering)

SEMENTENKO, N A

18 18
Furnace for high temperature roasting of fine-grained
pyrite. P. V. Derovitskiy, N. A. Sementenko, A. P. Shurygin,
N. N. Sidel'kovskiy, K. K. Babitskiy, and A. I. Maksimov
U.S.S.R. 109,612, May 25, 1987.

8
FRC

11

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SEMENENKO, N.A.

BADYL'KES, I.S., doktor tekhnicheskikh nauk; BELINSKIY, S.Ya., kandidat tekhnicheskikh nauk; GIMMEL'FARB, M.L., kandidat tekhnicheskikh nauk; KALAFATI, D.D., kandidat tekhnicheskikh nauk; KERTSELLI, L.I., professor; KOVALEV, A.P., doktor tekhnicheskikh nauk; KONFEDERATOV, I.YA., doktor tekhnicheskikh nauk; LAVROV, V.N., doktor tekhnicheskikh nauk; LEBEDEV, P.D., doktor tekhnicheskikh nauk; LUKNITSKIY, V.V., doktor tekhnicheskikh nauk [deceased]; PETUKHOV, B.S., doktor tekhnicheskikh nauk; SATANOVSKIY, A.Ye., kandidat tekhnicheskikh nauk; SEMENENKO, N.A., doktor tekhnicheskikh nauk; SMEL'NITSKIY, S.G., kandidat tekhnicheskikh nauk; SOKOLOV, Ye.Yu., doktor tekhnicheskikh nauk; CHISTYAKOV, S.F., kandidat tekhnicheskikh nauk; SHCHEGLYAYEV, A.V.; BEL'KIND, L.D., doktor tekhnicheskikh nauk, redaktor; GLAZUNOV, A.A., doktor tekhnicheskikh nauk, redaktor; GOLUBTSOVA, V.A., doktor tekhnicheskikh nauk, redaktor; ZOLOTAREV, T.L., doktor tekhnicheskikh nauk, redaktor; IZBASH, S.V., doktor tekhnicheskikh nauk, redaktor; KIRILLIN, V.A., redaktor; MARGULOVA, T.Kh., doktor tekhnicheskikh nauk, redaktor; MESHKOV, V.V., doktor tekhnicheskikh nauk, redaktor; PETROV, G.N., doktor tekhnicheskikh nauk, redaktor; SIROTINSKIY, L.I., doktor tekhnicheskikh nauk, redaktor; STYRIKOVICH, M.A., redaktor; SHNEYBERG, Ya.A., kandidat tekhnicheskikh nauk, redaktor; MATVEYEV, G.A., doktor tekhnicheskikh nauk, redaktor; MEDVEDEV, L.Ya., tekhnicheskii redaktor

[History of power engineering in the U.S.S.R.; in three volumes]
Istoriia energeticheskoy tekhniki SSSR; v trekh tomakh. Moskva, Gos.energ.izd-vo.

(Continued on next card)

• BADYL'KES, I.S.---(continued) Card 2.

Vol. 1. [Heat engineering] Teploekhnika. Avtorskii kollektiv toma
Badyl'kes i dr. Red. -sost. toma I.IA.Konfederatov. 1957. 479 p.
(MIRA 10:8)

1. Chlen-korrespondent Akademii nauk SSSR (for Shcheglyayev,
Kirillin, Styrikovich). 2. Moscow. Moskovskiy energeticheskiy
institut
(Heat engineering--History)

SEMENENKO, N.A., doktor tekhn. nauk; YURENEV, V.N., inzh.; SIDEL'KOVSKIY,
L.N., kand. tekhn. nauk; ANTIPOV, A.V., inzh.

"Thermal calculation of boiler units"(standard method). Reviewed
by N.A. Semenenko and others. Teploenergetika 5 no. 5:92-94 My '58.
(MIRA 11:7)

1. Moskovskiy energeticheskiy institut.
(Boilers--Tables, calculations, etc.)

SEMENENKO, N.A., doktor tekhn. nauk, prof.

Combining fuel engineering with industrial combustion engineering.
Trudy MEI no.30:155-168 '58. (MIRA 12:5)

1. Moskovskiy ordena Lenina energeticheskoy institut, Kafedra
ognevoy promyshlennoy teplotekhniki.
(Power engineering)

SEMENENKO, N.A., prof., doktor tekhn.nauk, obshchiy red.; LANOVSKAYA,
M.R., red.izd-va; KARASEV, A.I., tekhn.red.

[Slag runoff in metallurgical furnaces; methods of investigation,
and protection of heating surfaces from fouling] Shlakovyi unos
metallurgicheskikh pechei; metody issledovaniy, bor'ba s zagriazne-
niem poverkhnostei nagreva. Moskva, Gos.nauchno-tekhn.izd-vo
lit-ry po chernoi i tsvetnoi metallurgii, 1959. 188 p.

(MIRA 12:8)

(Slag)

(Fly ash)

SEMENENKO, N.A., prof., doktor tekhn.nauk; KLYUCHNIKOV, A.D., kand.
tekhn.nauk

Possibility of increasing heat exchanges in steel-smelting
furnaces; answering Professor M.A.Glinkov. Izv.vys.ucheb.zav;
chern.met. 2 no.8:181-183 Ag '59. (MIRA 13:4)

1. Kafedra ognevoy promteplotekhniki Moskovskogo energeti-
cheskogo instituta.
(Open-hearth furnaces) (Heat---Transmission)

SEMENENKO, Nikolay Aleksandrovich, prof., doktor tekhn.nauk; SUSHKIN, I.N.,
red.; DOBUZHINSKAYA, L.V., tekhn.red.

[New trends in the use of secondary power resources in heavy industry; combined production and power engineering connected with industrial flame processes] Novye puti ispol'zovaniia vtorichnykh energoresursov tiazhaloi promyshlennosti; energotekhnologicheskoe kombinirovanie v promyshlennoi ognetekhnike. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1960. 39 p. (MIRA 13:3)

1. Moskovskiy Energeticheskii institut (for Semenenko).
(Power engineering) (Waste heat)

SEMENENKO, Nikolay Aleksandrovich, prof., doktor tekhn.nauk; SIDEL'KOVSKIY, Lazar' Naumovich; YURENEV, Vladimir Nikolayevich; MASLENNIKOV, M.S., retsenzent; SHUMAYEV, F.G., retsenzent; SHUKHER, S.M., red.; LARIONOV, G.Ye., tekhn.red.

[Industrial boiler systems] Kotel'nye ustanovki promyshlennykh predpriyatii. Pod red. N.A.Semenenko. Moskva, Gos.energ.izd-vo, 1960. 391 p. (MIRA 13:11)

(Boilers)

SEMENENKO, N.A., gornyy inzh.

Removal of dust from the air fed into mine shafts. Gor. zhur.
no.3:74 Mr'61. (MIRA 14:3)

1. Unipromed', Sverdlovsk.
(Dust removal)

SEMENENKO, N.A., doktor tekhn.nauk, prof.; SOROKIN, A.F., doktor tekhn.nauk, prof.

Industrial thermal electric power in the power engineering economy of the U.S.S.R. Izv. vys. ucheb. zav.; energ. 4 no.10:56-59 0 '61. (MIRA 14:11)

1. Moskovskiy ordena Lenina energeticheskoy institut (for Semenenko).
2. Ivanovskiy energeticheskoy institut imeni V.I.Lenina (for Sorokin).
(Steam power plants) (Power resources)

~~SEMENENKO~~, Nikolay Aleksandrovich; YEZDOKOVA, M.L., red. izd-va;
~~KARASEV~~, A.I., tekhn. red.

[Secondary power resources and the combination of industrial
and power-engineering interests in metallurgy] Vtorichnye
energoresursy i energotekhnologicheskoe kombinirovanie v
metallurgii. Moskva, Metallurgizdat, 1962. 240 p.
(MIRA 15:11)

(Power engineering) (Heat regenerators)

SEMENENKO, N.A., doktor tekhn.nauk, prof.

New objectives and principal tasks in the field of industrial flame processes. Izv. vys. ucheb. zav.; energ. 6 no.2:49-55 F '63.
(MIRA 16:3)

1. Moskovskiy ordena Lenina energeticheskiy institut.
(Smelting furnaces)

SEMENENKO, N.A., doktor tekhn.nauk, prof., nauchn. red.; LANOVSKAYA,
M.R., red.; GINZBURG, R.Ya., tekhn. red.

[Power engineering processes in cyclone smelting] TSiklon-
nye plavil'nye energo-tekhnologicheskie protsessy; trudy
nauchno-tekhnicheskogo soveshchaniia, provedennogo Moskov-
skim energeticheskim institutom v marte 1962 g. Nauchn. red.
N.A.Semenenko. Moskva, Metallurgizdat, 1963. 119 p.
(MIRA 16:10)

1. Moskovskiy energeticheskiy institut (for Semenenko).
(Smelting furnaces) (Separators (Machines))

VOIKOV, V.F., kand. tekhn. nauk; LEBEDEV, P.D., prof.; SOKOLOV, V. Ya. Ya.;
SEMELENKO, N.A.; KOLACH, T.A., dotsent; IVANOV, A.N.; TIKHOMIROV, I.G.;
PAVLOV, M.M.

Training of engineers in the field of industrial power engineering.
(MIR 18:1)
Prom. energ. 19 no.11:30-32 W '64.

1. Ural'skiy politekhnicheskiy institut imeni S.M.Kirova (for Volkov).
2. Moskovskiy ordena Lenina energeticheskiy institut (for Lebedev, Sokolov, Semenenko).
3. Fakul'tet promyshlennoy teploenergetiki Moskovskogo ordena Lenina energeticheskogo instituta (for Kolach).
4. Gosudarstvennyy komitet po koordinatsii nauchno-issledovatel'skikh rabot SSSR (for Ivanov).
5. Nauchno-issledovatel'skiy institut Soveta narodnogo khozyaystva SSSR (for Tikhomirov).
6. Gosudarstvennyy soyuznyy institut po proyektirovaniyu metallurgicheskikh zavodov (for Pavlov).

LYKOV, A.V.; LEBEDEV, P.D.; VUKALOVICH, M.P.; GINZEURG, A.S.; SMOL'SKIY,
B.M.; SOKOLOV, Ye.Ya.; SEMENENKO, N.A.; LYKOV, M.V.; LEONCHIK,
B.I.; KRASNIKOV, V.V.; SHUMAYEV, F.G.; DREVS, G.V.

Georgii Aleksandrovich Maksimov; obituary. Inzh.-fiz.
zhur. 9 no.3:418 S '65. (MIRA 18:9)

SEMENENKO, N.A., doktor tekhn. nauk; SIDEL'KOVSKIY, L.N., kand. tekhn. nauk;
TROYANKIN, Yu.V., kand. tekhn. nauk; SHURYGIN, A.P., kand. tekhn.
nauk

Value and prcspects for the use of industrial cyclone processes.
Prom. energ. 20 no.11:4-7 N '65. (MIRA 18:11)

SEMENENKO, Nikolay Panteleymonovich; SIROSHTAN, R.I., st. nauchn.
sotr., otv. red.; ZAVIRYUKHINA, V.N., red.

[Metamorphism of mobile belts] Metamorfizm podvizhnykh
zon. Kiev, Izd-vo AN USSR, 1963. 256 p. (MIRA 17:6)

12A

1

Evaluation of iron quartzite of southern Krivbas.
N. P. Semenenko. *Dokl. 1934, No. 4, 33-37.*—Numerous
tables, diagrams, quant. estns. and chem. analyses of the
Fe quartzites found in southern Krivorog are given.
S. L. Madorski

ASB SLA METALLURGICAL LITERATURE CLASSIFICATION

Graphite in the Petrovsk district Ukraine S. P.
Semenko Bull. Acad. Sci. U.S.S.R. Geol. Sci. 1937, 1105-20. Mineralog. Abstracts 7,
1937, 1105-20. The graphite occurs in metamorphic rocks and
 pegmatite veins. It is attributed to enrichment of the
 pneumatolytic phase of the granitic magma in CO₂ from
 carbonates and bituminous rock. V. A. Silbert

AS & SLA METALLURGICAL LITERATURE CLASSIFICATION

1ST AND 2ND ORDERS																										3RD AND 4TH ORDERS																									
PROCESSES AND PROPERTIES INDEX																																																			
CA Process of pegmatization and ore formation in the Krivoi-Rog Region. N. P. Semenenko. <i>J. Geol., Acad. Sci. USSR</i>, S. S. R. 5, No. 3, 40-72 (in English, 71-2) (1938). — S. finds that the ore beds are of epigenetic thermal origin. The quartz veins arose from the pegmatite process. The albites are pegmatitic and enriched by biotite, feldspar, etc. The order of evolution of the pegmatite soln. is: orthoclase → albite → K salt solns. → quartz. The order of deposition of minerals is: magnetite — ferrous mica → pyrite. F. H. Rathmann																																																			
ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION																																																			

CA

8

Petrogenesis of rocks of the productive strip of the mica-
ceous Biryusa region. N. P. Semenenko. *Nauk. Dopyshy*,
Kyiv. Derzhavnyi Univ. im. T. G. Shevchenko 7, No. 5,
Geol. Zhurny No. 2, 11-23 (1948).—The geology of the re-
gion and its rocks are described. M. Hosh

SEMEHENKO, N. P.

Semenenko, N. P. "The structure of Ukrainian crystalline massif," Geol. zhurnal, Vol. IX, Issue 3, 1948, p. 10-24, with maps - In Ukrainian language - Resume in Russian

SC: U-3264, 10 April 1953, (Letopis 'Zhurnal 'nykh Statey, no. 3, 1949)

SEMENENKO, N. P.

Semenenko, N. P. - "Petrogenesis of rocks of the productive belt of the Biryusinsk mica-bearing region," Nauch. zapiski (Kievsk. gos. un-t im. Shevchenko'), Vol. VII, Issue 5, 1949, p. 11-25, - Bibliog; p. 21-25, (Name of periodical in Ukrainian)

SO: J-4934, 29 Oct 53, (Letopis 'Zhurnal Snykh Statey, No. 16, 1949).

KLYUSHNYKOV, M.M.; SEMENENKO, M.P., diyanny chlen.

The age of carboniferous deposits of the Molochnaya River Basin. Dop. AN URSS
no. 4:305-309 '52. (MLBA 6:10)

1. Akademiya nauk Ukrayins'koyi RSR (for Semenenko).
2. Instytut geologich-
nykh nauk Akademiyi nauk Ukrayins'koyi RSR (for Klyushnykov).
(Molochnaya River--Geology, Stratigraphic) (Geology, Stratigraphic--
Molochnaya River)

ZHERNOV, I.Ye.; SEMENENKO, M.P., diysnyy chlen.

Problem of classifying water-bearing coal deposits. '52. Dop.AN URSR no.4:310-314
(MLRA 6:10)

1. Akademiya nauk Ukrayins'koyi RSR (for Semenenko).
nauk Akademiyi nauk Ukrayins'koyi RSR (for Zhernov).
2. Instytut geologichnykh
(Coal)

DIDKOVS'KYY, V.Ya.; SEMENENKO, M.P., diysnyy chlen.

Microfauna of the nubecular sands of Kishinev city. Iop.AN URSR no.4:315-319
'52. (MLRA 6:10)

1. Akademiya nauk Ukrayins'koyi RSR (for Semenenko). 2. Instytut geologichnykh
nauk Akademiyi nauk Ukrayins'koyi RSR (for Didkova'kyi).
(Foraminifera, Fossil)

SHUL'HA, P.L.; SEMENENKO, M.P., diysnyy chlen.

On the age of the ancient arkosic stratum of the southwestern boundary of the Russian Platform. Dop.AN URSR no.4:320-323 '52. (MIRA 6:10)

1. Akademiya nauk Ukrayins'koyi RSR (for Semenenko). 2. Instytut geologichnykh nauk Akademiyi nauk Ukrayins'koyi RSR (for Shul'ha).
(Russian Platform--Geology, Stratigraphic) (Geology, Stratigraphic--
Russian Platform)

HABOVYCH, R.D.; SEMENENKO, M.P., diysnyy chlen.

Fluorine in atmospheric water. Dop.AN URSR no.5:397-400 '52. (MLRA 6:10)

1. Akademiya nauk Ukrayins'koyi RSR (for Semenenko). 2. Kyivsk'yy medychnyy
instytut im. O.O.Bohomol'tsya (for Habovych).
(Atmosphere) (Fluorine)

SEMENENKO, N.P.

Migration of rock-forming elements in postmagmatic products of granitic magma (in connection with the study of postmagmatic processes in the Ukrainian Crystalline Massif). (In: Akademiia nauk SSSR. Voprosy petrografii i mineralogii. Moskva, 1953. Vol. 1, p.66-75) (MLRA 7:4)

1. Deystvitel'nyy chlen Akademii nauk Ukrainiskoy SSR.
(Ukraine--Granite) (Granite--Ukraine) (Ukraine--Metasomatism)
(Metasomatism--Ukraine)

SEMENENKO, N. P.

PA 245T49

USSR/Geophysics - Metamorphism

Jan/Feb 53

"Problems of Metamorphism, Sources of Metamorphism, and Problems of Deepness," N. P. Semenenko

"Iz Ak Nauk, Ser Geolog" No 1, pp 98-113

Critically reviews representations of plutonic zones of regional metamorphism, assuming that metamorphism is due to magmatic and tectonic processes. States that his concepts are confirmed by data of a study of general metamorphic regions of the USSR.

245T49

SEMEENKO, N. P.

"The Pre-Cambrian of the Ukrainian SSR," Tr. Labor, geologii dokembriya NN SSSR, No 2, 24-43, 1953

The present issue is a collection of articles on the geology of the Pre-Cambrian of the Baltic and Ukrainian shield and Eastern Siberia. In his article, the author gives a new scheme for the structure of the Ukrainian crystalline shield, the spatial distribution of its constituent rocks, and the history of its formation. In the construction of the shield, manifold complexes of metamorphic rocks and numerous magmatic complexes took part. The most ancient are the rocks of the Bug-Dnepr gneiss series and the Bug-Podol'sk intrusive complex of the lower Archaic.

RZhGeol, No 1, 1955

SEMENENKO, N.P.; SIROSHTAN, R.I.; STEPANETS, V.D.; ROLIONOV, S.P., ot-
vetstvennyy redaktor; ZHEMBROVSKIY, M.A., redaktor; SIVACHENKO,
Ye. K., tekhredaktor.

Field of migmatites and granites in the Ingulets Valley. Trudy Inst.
geol. nauk AN URSS no.3:5-162 '54. (MLRA 8:3)

1. Chlen-korrespondent Akademii nauk USSR (for Rodionov)~
(Ingulets Valley--Gneiss) (Ingulets Valley--Granite)

SEMENENKO, M. P.

"Results of the work of the Institutions of the Academy of Sciences of Ukraine in 1952", Visn. AN URSR, No 4, 23-43 (Ukrainian).

The author reports on the work of the institutions of the Academy of Sciences Ukrainian SSR, which includes most of the geological and hydrogeological investigations in the regions of large-scale constructions (e.g., study of the regime of underground waters, methods against filtration of water from reservoirs, organization of complex expeditions to study the nature and resources of western Ukraine). He notes the lag in works connected with lithological subjects. The works of the Institute of Geology, Academy of Sciences Ukrainian SSR, is insufficiently tied with the work of other geologic institutions of Ukraine, especially in petroleum studies. (RZhGeol, No 5, 1954)

SC: Sum. No. 443, 5 Apr. 55

SEMENENKO, M.P.

USSR • SEMENENKO, M. P.

✓ Metamorphism of the crystalline massif of the Ukraine
M. P. Semenenko. *Geol. Zhur., Akad. Nauk Ukr. R.S.R.*
1953. *Geol. Zhur.* 13, No. 1, 7-28 (1953); *Referat. Zhur.*
Khim. 1954, No. 28683. — The genesis of metamorphic rocks
of the Ukrainian cryst. massif is outlined. M. Hosen

SEMENENKO, N.P. (Kiyev); RODIONOV, S.P., redaktor; ZHEMBROWSKIY, M.A.,
redaktor; SIVACHENKO, Ye.K., tekhnicheskiy redaktor

[Paragenetic analysis and classification of metamorphic rocks]
Parageneticheskii analiz i sistematika metamorficheskikh porod.
Kiev, Izd-vo Akademii nauk Ukrainskoi SSR, 1954. 58 p. (Akade-
miia nauk URSS, Kiev. Instytut geologichnykh nauk, Trudy, no.2.
Serii petrografii, mineralogii i geokhimii) (MLRA 8:10)

1. Institut geologii Akademii nauk USSR (for Semenenko) 2. Chlen-
korrespondent Akademii nauk USSR (for Rodionov)
, (Rocks, Crystalline and metamorphic)

SEMENENKO, NIKOLAY PANTELEYMONOVICH

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Ple Migmatitov I Granitov R. Ingul'tsa (Migmatites and Granites of the Ingulets River, By) N. P. Semenenko, R. I. Siroshstan, I V. D. Stepanets. Kiyev, Izd-vo. An USSR, 1954.

161 P. Diagrs. (Akademiya Nauk Ukrainskoy SSR. Institut Geologicheskikh Nauk. Trudy. Seriya Petrografii, Mineralogii I Geokhimii, Vyp. 3)

SEMENENKO, N. P. (Editor)

"Genesis and Geology of Mining in the Iron Ore Basin of Krivoy Rog," Kiev, 1955

This publication contains 27 articles on the various iron ores in Krivoy Rog.

D 498162

YURK, Yuriy Yuriyevich; SEMENENKO, N.P., akademi, otvetstvennyy redaktor;
IMAS, R.L., redaktor; SIVACHENKO, Ye.K., tekhnicheskij redaktor

[Granites and pegmatites of the Ukrainian crystalline shield]
Granity i pegmatity ukrainskogo kristallicheskogo shchita. Kiev,
Izd-vo Akademii nauk USSR, 1956. 121 p. (MIRA 9:9)

1. Akademiya nauk USSR (for Semenenko)
(Ukraine--Granite) (Ukraine--Pegmatites)

SEMENENKO, N.P., redaktor; LISENBART, D.K., redaktor; SIVACHENKO, Ye.K.,
tekhnikheskiy redaktor

[Geology and genesis of ores of Krivorozhye iron ore basin;
proceedings of a conference] Geologiya i genezis rud krivo-
rozhskego zhelezorudnogo basseina; trudy soveshchaniia. Kiev,
1956. 281 p. (MLRA 9:4)

1. Akademiya nauk URSR, Kiev. Instytut geologichaykh nauk.
2. Daystvitel'nyy chlen AN USSR (for Semenenko)
(Krivoy Rog--Iron ores)

SEMENENKO, Nikolay Panteleymonovich; POLOVKO, Nataliya Ivanovna;
ZHUKOV, Georgiy Viktorovich; LADIYEVA, Viktoriya Danilovna;
MAKUKHINA, Anna Aleksandrovna; ZAVIRYUKHINA, V.M., redaktor
izdatel'stva; RODIONOV, S.P., otvetstvennyy redaktor; ROZENTSVEYG,
Ye.N., tekhredaktor

[Petrography of ferrosilicate formations of the Ukraine]
Petrografiia zhelezistokremnistykh formatsii Ukrainskoi SSR. Kiev,
Izd-vo Akad. nauk USSR, 1956. 535 p. (MLRA 10:4)

1. Chlen-korrespondent AN USSR. (for Rodionov)
(Ukraine--Petrology)

SEMELENKO, N. P.

USSR/ Cosmochemistry. Geochemistry. Hydrochemistry

D.

Abs Jour : Referat Zhur - Khimiya, No 4, 1957, 11530

Author : Vlasov K.A., Semenenko N.P.

Inst : Academy of Sciences USSR

Title : International Colloquium on Petrography

Orig Pub : Izv. AN SSSR, ser. geol., 1956, No 6, 110-115

Abstract : No abstract

SEMENENKO, M.P.

Problems of pre-Cambrian deposits at the meeting on Siberian
stratigraphy. Geol.zhur. 16 no.2:82-86 '56. (MLRA 9:9)

(Siberia--Geology, Stratigraphic)

3(5)

PHASE I BOOK EXPLOITATION

SOV/2912

Semenenko, Nikolay Panteleymonovich

Strukturno-petrograficheskaya karta Ukrainskogo kristallicheskogo massiva
(Structural and Petrographic Map of the Ukrainian Crystalline Massif)
Kiyev, Izd-vo AN Ukrainskoy SSR, 1957. 75 p. 1,500 copies printed.

Akademiya nauk Ukrainskoy SSR. Institut geologicheskikh nauk

Resp. Ed.: Ya. N. Belevtsev, Corresponding Member, Ukrainian SSR Academy
of Sciences; Ed. of Publishing House: V. N. Zavr'yukhina;
Tech. Ed.: S.M. Bogdanov.

PURPOSE: This booklet is intended for industrial and academic geologists,
particularly those interested in the Ukrainian area.

COVERAGE: This booklet is intended to serve as an explanatory text to the
1:500,000 structural and petrographic map of the Ukrainian crystalline massif

Card 1/3

Institute of Geological Sciences of the Academy of Sciences
of the UkrSSR in 1950. The map and the text cover the Ukrainian crystalline
massif area including the Bug, Dnestr, Gnilyyat', Sluch', and Dnepr river
basins and the Dniester area. This booklet, in addition to textual de-

SECRET AND - 100 - IV. H

25-6-3/46

SUBJECT: USSR/The Ukrainian Academy of Sciences

AUTHOR: Semenenko, N.P., Vice President of the Academy of Sciences of the Ukrainian SSR

TITLE: To Seek and Find (Iskat' i nakhodit')

PERIODICAL: Nauka i Zhizn' - June 1957, # 6, p 8 (USSR)

ABSTRACT: The article discusses the achievements of the Ukrainian Academy of Sciences, as well as the contribution of its leading branches in the fields of heavy industry and machine building, biology, medicine, etc. Ukrainian physicists soon will get their atomic reactor which will form the basis of their research work covering nuclear physics, atomic energy, the biological effects of nuclear radiation etc. Ukrainian chemists and biologists have jointly developed a whole range of valuable drugs, among them "ATΦ" for curing muscular illnesses, "BK-8" a blood plasma substitute, and numerous antibiotics.

Card 1/2

SEMENENKO, M.P.

Problems in the geochronology of the pre-Cambrian of Africa; at the
20th session of the International Geological Congress in Mexico.
Geol. zhur. 17 no.1:3-14 '57. (MIRA 10:4)
(Africa--Geology, Stratigraphic)

SEMENENKO, M.P.

Results of the 20th session of the International Geological Congress
in Mexico. Visnyk AN URSR 28 no.3:48-49 Mr '57. (MLRA 10:5)
(Mexico--Geology--Congresses)

SEMENENKO, M.P.

Fundamental results of the scientific work of the institutions
of the Academy of Sciences of the Ukrainian S.S.R. in 1956 and
their tasks for 1957. Visnyk AN USSR 28 no.5:5-26 My '57.
(MIRA 10:7)

1. Vitse-president AN URSR.
(Academy of Sciences of the Ukrainian S.S.R.)

SEMENTENKO N.P.

3(5) PLANK I BOOK EXPIRATION SOV/1886

Ob'yedinennaya nauchnaya sessiya po metallogenicheskim i prognomnym kartam, Alma-Ata, 1958.

Materialy nauchnoy sessii po metallogenicheskim i prognomnym kartam doklady. (Materials Presented at the Scientific Session on Metallogenetic and Postulated Ore Occurrence Maps; Reports) Alma-Ata, Izd-vo AN Kazakhskoy SSR, 1958. 318 p. Errata slip inserted. 3,850 copies printed.

Ed.: L.S. Pogodny; Tech. Ed.: P.P. Alferov.

Sponsoring Agencies: (1) Akademiya nauk SSSR. (2) Akademiya nauk Kazakhskoy SSR, Alma-Ata. (3) USSR. Ministerstvo geologii i okhrany nedr. (4) Kazakh SSR. Ministerstvo geologii i okhrany nedr.

PURPOSE: This book is intended for exploration geologists, mining engineers, and cartographers.

SOV/1886

Materials Presented (Cont.)

COVERAGE: This collection of reports was presented at the United Scientific Session on Metallogeny and Postulated Ore Occurrence Maps convened by the Academy of Sciences in Alma-Ata, December, 1958. The reports deal with various aspects of compiling metallogenetic and ore occurrence maps as well as the methodology and techniques of correlating geophysical exploration data. These reports deal only with non-ferrous metals. The other reports delivered at the conference but not included in this work were read by Ye.Ye. Zakharov, M.S. Stetskiy, and Yu.A. Goretskiy. References accompany each article.

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Staritskiy, Yu.G., V.L. Khasytis, V.I. Dragunov, and M.S. Malish [Vasgel]. Principles of Compiling Metallogenetic Platform Maps	27
Card 2/6	
Orlova, A.V., Ye.Y. Shatalov. [IDEM]. Methodological Principles in Compiling Metallogenetic and Postulated Occurrence Maps for the Caucasus Region	31
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Card 3/6	

SEMENKO, N. P. SEMENENKO, N. P.

"The Precambrian of the Entire Planet May Be Divided into Four Cycles Each of the Order of Million Years on the Basis of the Determinations of Their Absolute Age: 1) 3200 - 2700 mill. years. 2) 2600 - 1900 mill. years. 3) 1800 - 1200 mill. years. 4) 1100 - 500 mill. years. Then Follows the Cycle of the Late Cambrian 400 - 300 mill. years."

report presented at the 7th Session of the Commission for Determination of the Absolute Age of Geological Formations, at the Dept. Geological-Geographical Sciences, AS USSR, Moscow, 8-12 May 1958.

AYZENVERG, D.Ya., geolog; BALUKHOVSKIY, N.F., geolog; BARTOSHEVSKIY, V.I., geolog; BASS, Yu.B., geolog; VADIMOV, N.T., geolog; GLADKIY, V.Ya., geolog; DIDKOVSKIY, V.Ya., geolog; YERSHOV, V.A., geolog; ZHUKOV, G.V., geolog; ZAMORIY, P.K., geolog; IVANTISHIN, M.N., geolog; KAPTARENKO-CHERNOUSOVA, O.K., geolog; KLIMENKO, V.Ya., geolog; KLUSHIN, V.I., geolog; KLYUSHNIKOV, M.N., geolog; ERASHENINNIKOVA, O.V., geolog; KUTSYBA, A.M., geolog; LAPCHIK, F.Ye., geolog; LICHAK, I.L., geolog; MAKUKHINA, A.A., geolog; MATVIYENKO, Ye.M., geolog; MEDYNA, V.S., geolog; MOLYAVKO, G.I., geolog; NAYDIN, D.P., geolog; NOVIK, Ye.O., geolog; POLOVKO, I.K., geolog; RODIONOV, S.P., geolog; SEMENENKO, N.P., akademik, geolog; SERGEYEV, A.D., geolog; SIROSHTAN, R.I., geolog; SLAVIN, V.I., geolog; SUKHAREVICH, P.P., geolog; TKACHUK, L.G., geolog; USENKO, I.S., geolog; USTINOVSKIY, Yu.B., geolog; TSAROVSKIY, I.D., geolog; SHUL'GA, P.L., geolog; YURK, Yu.Yu., geolog; YAMNICHENKO, I.M., geolog; ANTROPOV, P.Ya., glavnyy redaktor; FILIPPOVA, B.S., red. izd-va; GUROVA, O.A., tekhn.red.

[Geology of the U.S.S.R.] Geologiya SSSR. Glav. red. P.IA.Antropov. Vol.5.[Ukrainian S.S.R., Moldavian S.S.R.] . . . Ukrainskaia SSR, Moldavskaya SSR. Red. V.A. Ershov, N.P. Semenenko. Pt.1.[Geological description of the platform area] Geologicheskoe opisanie platformnoi chasti. Moskva, Gos. nauchno-tekhn.izd-vo lit-ry po geol. i okhrane nedr. 1958. 1000 p. [___ Supplement] ___Prilozhenia.

(Continued on next card)

AYZENBERG, D.Ye.---(continued) Card 2.
3 fold.maps (in portfolio)

(MIRA 12:1)

1. Russia (1923- U.S.S.R.) Glavnoye upravleniye geologii i okhrany neдр. 2. Ukrainskoye geologicheskoye upravleniye Ministerstva geologii i okhrany neдр SSSR i Institut geologicheskikh nauk Akademii nauk USSR (for all except Antropov, Filippova, Gurova).
3. Glavnyy geolog Ukrainskogo geologicheskogo upravleniya (for Yershov).
4. AN Ukrainskoy SSR (for Semenenko).
(Ukraine--Geology) (Moldavia--Geology)

SEMENKO, N. P.

"The genetic classification of metamorphous rocks and processes"

report presented at the Second All-Union Conf. on Petrography, Tashkent, 19-23
May 1958 (Geokhimiya, 5, '58, p507)

SEMENENKO, N. P.,

Semenenko, N. P., Ivantishin, M. N., Burkser, E. S. - Basic Data on Geochronology of the Ukrainian Pre-Cambrian.

The Sixth Session of the Committee for Determining the Absolute Age of Geologic Formations at the Department of Geologic-Geographical Sciences (OGGN) of the USSR Academy of Sciences at Sverdlovsk in May 1957.

Izv. Ak Nauk SSSR, Ser. Geol., No. 1, 1958, p. 115-117 author Pekarskaya, T. B.

SEMENENKO, N. P.

Semenenko, N. P. - Geochronology of the Pre-Cambrian in Africa.

The Sixth Session of the Committee for Determining the Absolute Age of
Geologic Formations at the Department of Geologic-Geographical Sciences
(OGGN) of the USSR Academy of Sciences at Sverdlovsk in May 1957.

Izv. Ak Nauk SSSR, Ser. Geol., No. 1, 1958, p. 115-117 author Pekarskaya, T. B.

~~SECRET~~
The following is the text of the pre-1945
Bill. No. 10 on the str. and geol. form. no. 3:11-12 1/2.

(PT. 11:11)

(Affair--Jettys, Stratigraphic)

SILVER, L.L.; HARRIS, Y.L.; TATLUM, M.W.

Describing the absolute age of clay slates and phyllites. Biol.Kon.
o.c.s. 3s.rom. 101. 100. 3:27-48 '58. (MIRA 12:11)
(Slate) (Phyllite)

SEMENENKO, N.P.

AUTHOR: Vilyunov, P.V.

SOV-132-58-8-15/16

TITLE: A Conference in Krivoy Rog (Na soveshchaniy v Krivom Roge)

PERIODICAL: Razvedka i okhrana nedr, 1958, Nr 8, pp 61-62 (USSR)

ABSTRACT: In April 1958, a conference on the geology and origin of ferro-siliceous formations in the Ukraine was held in Krivoy Rog by the Academy of Sciences and the Central Geological Administration of the Ukrainian SSR. A total of 40 reports were read on the geologic structure of ferro-siliceous formations of the Ukraine and on the origin of rich iron ores of the Krivoy Rog basin. Active Member of the AS Ukr SSR, N.P. Semenenko, delivered a lecture on "Ferro-siliceous formations, their composition and location in the central part of the Ukrainian crystalline shield"; Ya.N. Belerzsev, Member-Correspondent of the AS Ukr SSR, summed up the results of geological studies of the Krivoy Rog basin. He also lectured on the origin of iron ores in this basin, singling out three successive stages of ore formation in the basin: accumulation of sediments, their metamorphism and hypogenesis. Senior Geologist of the Leninruda Trust, A.T. Dzhezalov, developed a contradictory point of view on the hypogene origin of the rich iron ores. A.I. Cherednichenko

Card 1/2

A Conference in Krivoy Rog

SOV-132-58-8-15/16

(AS Ukr.SSR), delivered a lecture on structural condition of the formation of ore deposits in the northern part of the Saksagan belt. M.A. Dobrokhotoy, reported on deposits of the Kursk Magnetic Anomaly. By comparing them with deposits of the Krivoy Rog Basin, he proved their hypogene origin.

ASSOCIATION: Ministerstvo Geologii i Okhrany Nedr SSSR (The Ministry of Geology and Conservation of Mineral Resources of USSR)

1. Geologists--USSR 2. Iron ores--USSR

CARD 2/2

3(5)

PHASE I BOOK EXPLOITATION

SOV/2248

Semenenko, Nikolay Panteleymonovich, Nataliya Ivanovna Polovko,
Yakov Mikhaylovich Gritskov, Mikhail Nikolayevich Dobrokhotoy,
Anna Aleksandrovna Makukhina, Viktoriya Danilovna Ladiyeva,
Georgiy Viktorovich Zhukov, and Andrey Andreyevich Nastenka.

Geologiya zhelezisto kremnistykh formatsiy Ukrainy (Geology of
Ferruginous-Silicified Formations of the Ukraine) Kiyev, Izd-
vo AN USSR, 1959. 687 p. Errata slip inserted. 2,000 copies
printed.

Sponsoring Agency: Akademiya nauk Ukrainskoy SSR. Institut geo-
logicheskikh nauk.

Eds: S.P. Rodionov, Corresponding Member, USSR Academy of Sciences;
Ed. of Publishing House: V.N. Zaviryukhina; Tech. Ed.: Ye.
N. Rozentsveyg.

PURPOSE: This book is intended for industrial and research geo-
logists, teachers and advanced students of geology.

Card 1/29